UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/627,092	07/25/2003	Vivek Kansal	2100.000700	2247

7590   07/27/2006

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ART UNIT	PAPER NUMBER
2618	

DATE MAILED: 07/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>25 July 2003</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-21</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-21</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>25 July 2003</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Claim Objections

1.   Claims 12, and 13 are objected to under 37 CFR 1.75(c) as being improper

form because, claim 12 is duplicate of claim 13. Applicant is required to make

correction.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

> The specification shall contain a written description of the invention, and of the manner and
> process of making and using it, in such full, clear, concise, and exact terms as to enable any
> person skilled in the art to which it pertains, or with which it is most nearly connected, to make
> and use the same and shall set forth the best mode contemplated by the inventor of carrying
> out his invention.

2.   Claims 5, 6, 7, 11, and 20 are rejected under 35 U.S.C. 112, first paragraph, as

failing to comply with the enablement requirement. The claim(s) contains subject

matter that is not described in the specification in such a way as to enable one

skilled in the art to which it pertains, or with which it is most nearly connected, to

make and/or use the invention.

In dependent claim 5, lines 7-8, and in independent claim 20, line 9, the phrase

"the monitored load being greater than a preselected setpoint" is not supported in

the specification.

In dependent claim 6, lines 7-8, and in independent claim 7, lines 8-9, the

phrase "the monitored load being less than a preselected setpoint" is not

supported in the specification.

In dependent claim 11, line 12, the phrase "the monitored parameter falling

below a second preselected parameter" is not supported in the specification.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form
the basis for the rejections under this section made in this Office action.

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country
or in public use or on sale in this country, more than one year prior to the date of application
for patent in the United States.

3.   Claims 1-4, 8-10, 12-19, and 21 are rejected under 35 U.S.C. 102(b) as being

anticipated by Li (Li, U. S. Patent 6,356,538).

Regarding claim 1, Li discloses a method for controlling a communications

system *(see for example, Figures 1-9, column 1, lines 7-11, lines 29-67, column*

2, lines 1-3, column 3, lines 12-53, column 5, lines 43-67, column 6, lines 15-67,

column 7, lines 1-67, column 8, lines 1-55, controlling a communication system),

comprising: monitoring a parameter associated with the communications system

(see for example, Figures 1-9, column 1, lines 7-11, lines 29-67, column 2, lines

1-3, column 3, lines 12-53, column 5, lines 43-67, column 6, lines 15-67, column

7, lines 1-67, column 8, lines 1-55, monitoring communication system's

parameter(s)); and requesting at least one component of the communications

system to enter a sleep mode in response to detecting a preselected aspect of

the monitored parameter *(see for example, column 3, lines 12-53, column 5, lines*

43-67, column 6, lines 15-67, column 7, lines 1-67, column 8, lines 1-55).

Regarding claim 14, Li discloses an apparatus, for controlling a

communications system *(see for example, Figures 1-9, column 1, lines 7-11,*

lines 29-67, column 2, lines 1-3, column 3, lines 12-53, column 5, lines 43-67,

column 6, lines 15-67, column 7, lines 1-67, column 8, lines 1-55, controlling a

communication system), comprising: means for monitoring a parameter

associated with the communications system *(see for example, Figures 1-9,*

column 1, lines 7-11, lines 29-67, column 2, lines 1-3, column 3, lines 12-53,

column 5, lines 43-67, column 6, lines 15-67, column 7, lines 1-67, column 8,

lines 1-55); and means for requesting at least one component of the

communications system to enter a sleep mode in response to detecting a

preselected aspect of the monitored parameter *(see for example, column 3, lines*

12-53, column 5, lines 43-67, column 6, lines 15-67, column 7, lines 1-67, column

8, lines 1-55, entering sleep mode in response to selected parameter that is

selected).

Regarding claim 15, Li discloses a communications system *(see for example,*

Figures 1-9, column 1, lines 7-11, lines 29-67, column 2, lines 1-3, column 3,

lines 12-53, column 4, lines 43-52, column 5, lines 43-67, column 6, lines 15-67,

column 7, lines 1-67, column 8, lines 1-55, controlling a communication system),

comprising: a first channel *(see for example, column 2, lines 32-40, lines 47-52,*

column 4, lines 43-52, column 5, lines 49-63, column 7, lines 14-27, column 8,

lines 4-23); a second channel *(see for example, column 2, lines 32-40, lines 47-*

52, column 4, lines 43-52, column 5, lines 49-63, column 7, lines 14-27, column

8, lines 4-23); and a controller adapted to monitor a parameter associated with at

least one of the first and second channels *(see for example, column 2, lines 32-*

40, lines 47-52, column 4, lines 43-52, column 5, lines 49-63, column 7, lines 14-

27, column 8, lines 4-23), and to place at least one of the first and second

channels in a sleep mode in response to detecting a preselected aspect of the

monitored parameter *(see for example, Figures 1-9, column 1, lines 7-11, lines*

29-67, column 2, lines 1-3, lines 32-40, lines 47-52, column 3, lines 12-53,

column 4, lines 43-52, column 5, lines 43-63, column 6, lines 15-67, column 7,

lines 14-27, column 8, lines 4-23, lines 25-55).

Regarding claim 16, Li discloses a method for controlling a communications

system *(see for example, Figures 1-9, column 1, lines 7-11, lines 29-67, column*

2, lines 1-3, column 3, lines 12-53, column 5, lines 43-67, column 6, lines 15-67,

column 7, lines 1-67, column 8, lines 1-55, controlling a communication system),

comprising: monitoring a parameter associated with the communications system

(see for example, Figures 1-9, column 1, lines 7-11, lines 29-67, column 2, lines

1-3, column 3, lines 12-53, column 5, lines 43-67, column 6, lines 15-67, column

7, lines 1-67, column 8, lines 1-55, monitoring communication system's

parameter(s)); and requesting at least one channel of a plurality of channels

associated with the communications system to enter a sleep mode in response to

detecting a preselected aspect of the monitored parameter *(see for example,*

column 3, lines 12-53, column 5, lines 43-67, column 6, lines 15-67, column 7,

lines 1-67, column 8, lines 1-55, entering sleep mode in response to selected

parameter that is selected).

Regarding claim 21, Li discloses an apparatus, comprising: one or more

components for supporting communication over at least a first and a second

channel in a communications system *(see for example, Figures 1-9, column 1,*

lines 7-11, lines 29-67, column 2, lines 1-3, column 3, lines 12-53, column 5,

lines 43-67, column 6, lines 15-67, column 7, lines 1-67, column 8, lines 1-55,

controlling a communication system); and a processor adapted to monitor a

parameter associated with at least one of the first and second channels *(see for*

example, column 1, lines 7-11, lines 51-67, column 2, lines 1-3, lines 32-52,

column 3, lines 12-53, column 4, lines 43-52, column 5, lines 43-63, column 6,

lines 23-67, column 7, lines 1-67, column 8, lines 4-23), and to place at least one

of the components in a sleep mode in response to detecting a preselected aspect

of the monitored parameter *(see for example, column 1, lines 7-11, lines 51-67,*

column 2, lines 1-3, lines 32-52, column 3, lines 12-53, column 4, lines 43-52,

column 5, lines 43-63, column 6, lines 23-67, column 7, lines 1-67, column 8,

lines 4-23).

Regarding claim 2, Li teaches all the limitations of claim 1, and further, Li

teaches wherein monitoring the parameter associated with the communications

system further comprises monitoring time of day *(see for example, column 1,*

lines 36-62, column 5, lines 54-67, column 6, lines 1-14, lines 61-67, column 7,

lines 1-4, lines 39-67, column 8, lines 4-23) and wherein requesting at least one

component of the communications system to enter the sleep mode in response

to detecting the preselected aspect of the monitored parameter *(see for example,*

Figures 1-9, column 1, lines 7-11, lines 29-67, column 2, lines 1-3, column 3,

lines 12-53, column 5, lines 54-67, column 6, lines 1-14, lines 61-67, column 7,

lines 1-4, lines 39-67, column 8, lines 1-55) further comprises requesting at least

one component of the communications system to enter the sleep mode in

response to the time of day being later than a first preselected setpoint *(see for*

example, column 1, lines 36-62, column 5, lines 54-67, column 6, lines 1-14,

lines 61-67, column 7, lines 1-4, lines 39-67, column 8, lines 4-23).

Regarding claim 3, Li teaches all the limitations of claim 2, and further, Li

teaches requesting at least one component of the communications system leave

the sleep mode in response to detecting a preselected aspect of the monitored

parameter *(see for example, Figures 1-9, column 1, lines 7-11, lines 29-67,*

column 2, lines 1-3, column 3, lines 12-53, column 5, lines 54-67, column 6, lines

1-14, lines 61-67, column 7, lines 1-4, lines 39-67, column 8, lines 1-55).

Regarding claim 4, Li teaches all the limitations of claim 3, and further, Li

teaches wherein requesting at least one component of the communications

system leave the sleep mode in response to detecting a preselected aspect of

the monitored parameter *(see for example, Figures 1-9, column 1, lines 7-11,*

lines 29-67, column 2, lines 1-3, column 3, lines 12-53, column 5, lines 54-67,

column 6, lines 1-14, lines 61-67, column 7, lines 1-4, lines 39-67, column 8,

lines 1-55) further comprises requesting at least one component of the

communications system leave the sleep mode in response to the time of day

being later than a second preselected setpoint *(see for example, column 1, lines*

36-62, column 5, lines 54-67, column 6, lines 1-14, lines 61-67, column 7, lines 1-

4, lines 39-67, column 8, lines 4-23).

Regarding claim 8, Li teaches all the limitations of claim 1, and further, Li

teaches wherein requesting at least one component of the communications

system to enter the sleep mode in response to detecting the preselected aspect

of the monitored parameter *(see for example, column 3, lines 12-53, column 5,*

lines 43-67, column 6, lines 15-67, column 7, lines 1-67, column 8, lines 1-55,

entering sleep mode in response to selected parameter that is selected) further

comprises requesting that at least one component of the communications system

to enter a low-power consumption mode in response to detecting the preselected

aspect of the monitored parameter *(see for example, column 2, lines 6-32,*

column 3, lines 12-53, column 5, lines 43-67, column 6, lines 15-67, column 7,

lines 1-67, column 8, lines 1-55).

Regarding claim 9, Li teaches all the limitations of claim 1, and further, Li

teaches wherein requesting at least one component of the communications

system to enter the sleep mode in response to detecting the preselected aspect

of the monitored parameter *(see for example, column 3, lines 12-53, column 5,*

lines 43-67, column 6, lines 15-67, column 7, lines 1-67, column 8, lines 1-55,

entering sleep mode in response to selected parameter that is selected) further

comprises requesting at least one channel of a plurality of channels associated

with the communications system to enter the sleep mode *(see for example,*

column 1, lines 51-67, column 3, lines 12-53, column 5, lines 43-59, column 6,

lines 45-60).

Regarding claim 10, Li teaches all the limitations of claim 9, and further, Li

teaches wherein requesting at least one channel of the plurality of channels

associated with the communications system to enter the sleep mode in response

to detecting the preselected aspect of the monitored parameter *(see for example,*

column 3, lines 12-53, column 5, lines 43-67, column 6, lines 15-67, column 7,

lines 1-67, column 8, lines 1-55, entering sleep mode in response to selected

parameter that is selected) further comprises requesting a first channel of the

plurality of channels associated with the communications system to enter the

sleep mode in response to detecting a first preselected aspect of the monitored

parameter *(see for example, column 1, lines 51-67, column 3, lines 12-53,*

column 5, lines 43-59, column 6, lines 45-60) and requesting a second channel

of the plurality of channels associated with the communications system to enter

the sleep mode in response to detecting a second preselected aspect of the

monitored parameter *(see for example, column 1, lines 36-67, column 3, lines*

12-53, column 5, lines 43-59, column 6, lines , lines 1-14, lines 45-60, column 7,

lines 1-4, lines 39-67, column 8, lines 4-23).

Regarding claims 12 and 13, Li teaches all the limitations of claim 1, and

further, Li teaches wherein requesting at least one component of the

communications system to enter the sleep mode in response to detecting the

preselected aspect of the monitored parameter *(see for example, column 3, lines*

12-53, column 5, lines 43-67, column 6, lines 15-67, column 7, lines 1-67, column

8, lines 1-55) further comprises disabling at least one channel of a plurality of

channels associated with the communications system *(see for example, column*

1, lines 51-67, column 3, lines 12-53, column 5, lines 43-59, column 6, lines 45-

60).

Regarding claim 17, Li teaches all the limitations of claim 16, and further, Li

teaches wherein monitoring the parameter associated with the communications

system further comprises monitoring time of day and wherein requesting at least

one *(see for example, column 1, lines 36-62, column 5, lines 54-67, column 6,*

lines 1-14, lines 61-67, column 7, lines 1-4, lines 39-67, column 8, lines 4-23)

channel of the plurality of channels associated with the communications system

to enter the sleep mode in response to detecting the preselected aspect of the

monitored parameter *(see for example, Figures 1-9, column 1, lines 7-11, lines*

29-67, column 2, lines 1-3, column 3, lines 12-53, column 5, lines 54-67, column

6, lines 1-14, lines 61-67, column 7, lines 1-4, lines 39-67, column 8, lines 1-55)

further comprises requesting at least one at least one channel of the plurality of

channels associated with the communications system to enter the sleep mode in

response to the time of day being later than a first preselected setpoint *(see for*

example, column 1, lines 36-62, column 5, lines 54-67, column 6, lines 1-14,

lines 61-67, column 7, lines 1-4, lines 39-67, column 8, lines 4-23).

Regarding claim 18, Li teaches all the limitations of claim 17, and further, Li

teaches requesting at least one at least one channel of the plurality of channels

associated with the communications system leave the sleep mode in response to

detecting a preselected aspect of the monitored parameter *(see for example,*

Figures 1-9, column 1, lines 7-11, lines 29-67, column 2, lines 1-3, column 3,

lines 12-53, column 5, lines 54-67, column 6, lines 1-14, lines 61-67, column 7,

lines 1-4, lines 39-67, column 8, lines 1-55).

Regarding claim 19, Li teaches all the limitations of claim 18, and further, Li teaches wherein requesting at least one channel of the plurality of channels associated with the communications system leave the sleep mode in response to detecting the preselected aspect of the monitored parameter *(see for example, Figures 1-9, column 1, lines 7-11, lines 29-67, column 2, lines 1-3, column 3, lines 12-53, column 5, lines 54-67, column 6, lines 1-14, lines 61-67, column 7, lines 1-4, lines 39-67, column 8, lines 1-55)* further comprises requesting at least one channel of the plurality of channels associated with the communications system leave the sleep mode in response to the time of day being later than a second preselected setpoint *(see for example, column 1, lines 36-62, column 5, lines 54-67, column 6, lines 1-14, lines 61-67, column 7, lines 1-4, lines 39-67, column 8, lines 4-23).*
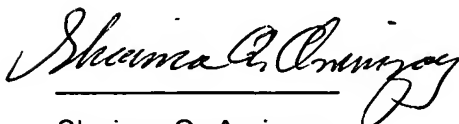
Conclusion

The prior art made of record considered pertinent to applicant's disclosure, see

PTO-892 form.

Inquiry

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Shaima Q. Aminzay whose telephone number is

571-272-7874. The examiner can normally be reached on 7:00 AM -5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nay Maung can be reached on 571-272-7882. The fax number for

the organization where this application or proceeding is assigned is 571-273-

8300.

Information regarding the status of an application may be obtained from the

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direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free).

7/24/06

QUOCHIEN B. VUONG
PRIMARY EXAMINER

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July 23, 2006